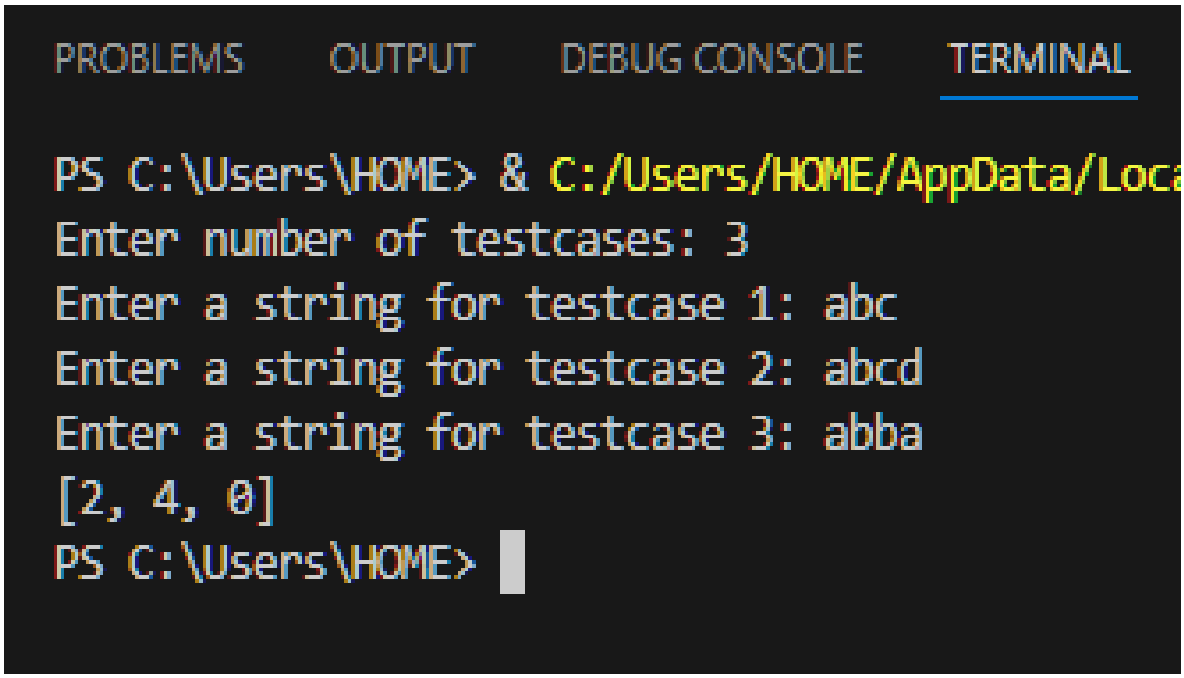
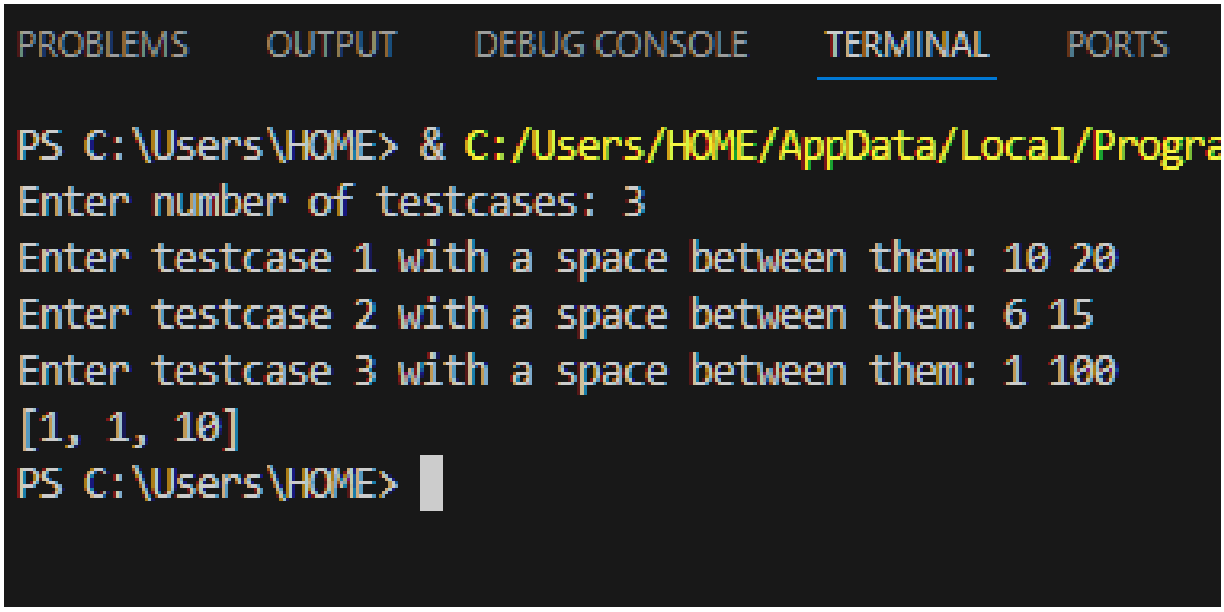
```
n = int(input("Enter number of testcases: "))
output = []
for i in range(n):
    string = str(input(f"Enter a string for testcase {i+1}: "))
    character = list(char for char in string)
    count = 0
    for i in range(len(character) // 2):
        if(character[i] != character[len(character) - i - 1]):
            count += ord(character[len(character) - i - 1]) - ord(character[i])
    output.append(count)
print(output)
```

Output:



```
n = int(input("Enter number of testcases: "))
output = []
for i in range(n):
    count = 0
    a,b = input(f"Enter testcase {i+1} with a space between them: ").split()
    a = int(a)
    b = int(b)
    for j in range(a,b+1):
        if j**(1/2) == int(j**(1/2)):
            count += 1
    output.append(count)
print(output)
```

Output:



```
import re

sentence = str(input("Enter a sentence:\n"))

pattern =
r"(?=.*a)(?=.*b)(?=.*c)(?=.*d)(?=.*e)(?=.*f)(?=.*g)(?=.*h)(?=.*i)(?=.*j)(?=.*k)(?=.*l)(?=.*m)(?=.*n)(?=.
*o)(?=.*p)(?=.*q)(?=.*r)(?=.*s)(?=.*t)(?=.*u)(?=.*v)(?=.*w)(?=.*x)(?=.*y)(?=.*z)"

present = bool(re.search(pattern,sentence))

if present:

    print("Pangram")

else:

    print("Not Pangram")
```

Output: